

CIC #: 99EPA EPA SUPERFUND PROGRAM

Billed Date: 02-Jun-2014

Customer Order Number:DW96942125

PASSAIC CPG OVERSIGHT 147757 BZ761
EPA 598

**VOUCHER FOR TRANSFERS
BETWEEN APPROPRIATIONS AND/OR FUNDS (AR 37-1)**

Mission Assignment No:

* Accounts Of *
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D.O. Voucher No. BU. Voucher No. Bill No. Paid By Check No. Collection Vou. No.

27067948
Partial # 84 01-May-2014 Thru 02-Jun-2014

Billed Office (Mail To):

U S ENVIRONMENTAL PROTECTION AGENCY
ACCOUNTING OPERATIONS OFFICE
26 W MARTIN LUTHER KING DRIVE
CINCINNATI OH 45268-7002

Billing Office (Send Remittance To):

USACE FINANCE CENTER G5
KANSAS CITY DISTRICT G5
5720 INTEGRITY DRIVE

MILLINGTON TN 38054-5005

Billed Accounting Classification

068 068 X 8145.0000 2007 00 0000 000000000000 00000

Billing Accounting Classification

\$411,457.90 096 NA X 3122.0000 G5 08 2416 868 022125 96231 \$411,457.90

Line Item	Moa	Description	Eaid No	Amount
1	CONTRACT - OUTSIDE GOVERNMENT	PVT SCTR CONTRACTUAL ARCHITECTURAL & ENGINEERING SERVICES (AE CONTRACTOR EARNINGS)		\$403,018.07
1	INHOUSE - LABOR	DEPARTMENTAL OVERHEAD COSTS		\$750.82
1	INHOUSE - LABOR	GENERAL AND ADMINISTRATIVE OVERHEAD COSTS		\$218.98
1	INHOUSE - LABOR	LABOR		\$1,564.19
1	REIMBURSABLE - INSIDE CORPS	WORK PERFORMED BY OTHER COE EST		\$5,905.84
Subtotal:				\$411,457.90

CORPS CERTIFICATION

"I CERTIFY THAT THE ABOVE ARTICLES WERE DELIVERED AND OR THE SERVICES PERFORMED AS STATED AND THAT THE PAYMENT REQUESTED IS CORRECT TO THE BEST OF MY KNOWLEDGE. AND SHOULD BE PAID AND CHARGED TO THE APPROPRIATION(S) OR FUNDS AS INDICATED."

10 July 14 *Elizabeth Franklin*
DATE SIGNATURE
Elizabeth Franklin
Project Manager

Total Billed Amount:	\$411,457.90
Less Partial Amount Paid:	\$0.00
Payment Due Date: 02-Jul-2014	Pay This Amount: \$411,457.90

Funds Authorized:	\$10,900,000.00	CERTIFICATE OF OFFICE BILLED	
Total Billed Amount:	\$8,716,754.08	I certify that the above articles were received and accepted or the services performed as stated and should be charged to the appropriation(s) and/or fund(s) as indicated above, or that the advance payment requested is approved and should be paid as indicated.	
Prev Billed Amount:	\$8,305,296.18		
Current Billed Amount:	\$411,457.90		
Total Flux Billed:	\$0.00	Date: Authorized Administrative or Certifying Officer	
Prev Flux Billed:	\$0.00		
Current Flux Billed:	\$0.00		

PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND ALKALI, (LOWER PASSAIC RIVER), NJ
IA Number: DW96942125

MONTHLY REPORT FOR MAY 2014

	Revised Reimbursable (096X3122)	Direct Fund Cite	IA Totals (096X3122)
STATEMENT OF CHARGES FOR PERIOD:			
Total Funds Authorized:	\$10,900,000.00	\$0.00	\$10,900,000.00
Less Total Expenditures: (-)	\$8,716,754.08	\$0.00	\$8,716,754.08
Less Undelivered Orders: (-)	\$1,908,128.32	\$0.00	\$1,908,128.32
Less Commitments: (-)	\$12,951.58	\$0.00	\$12,951.58
Funds Available Balance:	\$262,166.02	\$0.00	\$262,166.02
BILLING ACTIVITY (096X3122):			
Bill Number: 27067948			
Funds Expended During Report Period:	\$411,457.90		
Total Billed to Date:	\$8,716,754.08		
DIRECT FUND CITE PAYMENTS:			
Funds Expended During Report Period:	\$0.00		
Total Expended to Date:	\$0.00		

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PROGRESS REPORT

KANSAS CITY DISTRICT
DIAMOND ALKALI, (LOWER PASSAIC RIVER), NJ
IA Number: DW96942125

Bill Number: 27067948
Bill Invoice Date: 02-JUN-2014

Monthly Billing Amount(096X3122): \$411,457.90

Monthly Direct Fund Cite Contract Cost(068X8145): \$0.00

Budget Categories	Costs for Current Month	Prior Month's Summary	Project Costs to Date
a Personnel	\$1,011.30	\$159,476.53	\$160,487.83
b Fringe Benefits	\$552.89	\$85,033.13	\$85,586.02
c Travel	\$0.00	\$16,352.00	\$16,352.00
d Equipment	\$0.00	\$0.00	\$0.00
e Supplies	\$0.00	\$0.00	\$0.00
f Procurement	\$403,018.07	\$7,711,575.38	\$8,114,593.45
g Construction	\$0.00	\$0.00	\$0.00
h Other	\$5,905.84	\$179,439.13	\$185,344.97
i Total Direct Charges	\$410,488.10	\$8,151,876.17	\$8,562,364.27
j Total Indirect Charges	\$969.80	\$153,420.01	\$154,389.81
k TOTAL	\$411,457.90	\$8,305,296.18	\$8,716,754.08

LABOR BREAKOUT FOR MONTH:

Individual	Location	Function	Hours	Labor Amount
JAMES M. ARMSTRONG	KANSAS CITY DISTRICT	PROGRAM ANALYST	6.00	\$489.76
ELIZABETH FRANKLIN	KANSAS CITY DISTRICT	HTRW PROJECT MANAGER	15.00	\$1,914.22
JILL K. FRALEY	KANSAS CITY DISTRICT	SUPERVISORY GEOLOGIST	1.00	\$130.01
TOTAL LABOR:			22.00	\$2,533.99

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Progress Report for EPA Region II

Site:	Diamond Alkali, Lower Passaic River (Extended Study): RI/FS Oversight, New Jersey			Phase:	RI/FS, OU4
Bill No.:	Partial #84 27067948	IAG No.: NWK	IAG: DW96942125/BZ761 IAG Award Date: 8/31/07	IAG Expiration Date: 3/31/18	Other Corps P2 #147757/FWI 96B4B2
Reporting Period:	From: May 1, 2014	To: June 2, 2014	EPA RPM Stephanie Vaughn	USACE PM Elizabeth Franklin	
Work Performed					

<i>Work Performed</i>	<ul style="list-style-type: none"> ▪ On 27 May 2014, participated in project progress conference call with EPA/COE/CDM/LBG/HDR/BAT. ▪ Funding. No funding received during the reporting period. ▪ Team Calls. On 5, 19 and 29 May 14 and 2 Jun 14, participated in weekly manager's call. ▪ LBG Task Order 0001. <ul style="list-style-type: none"> ▪ On 1 May 14, prepared and submitted IGE for 17 mile sample storage and technical support by Kern Statistical. ▪ On 5 May 15, IGE was approved and submitted to contracting office. ▪ On 5 May 14, received LBG cost proposal. ▪ On 6 May 14, reviewed and approved cost proposal and sign ATP. ▪ On 6 May 14, provided technical evaluation of the LBG WVN. ▪ On 8 May 14, received PNM for review and comment. Provided comment for incorporation and signed the revised PNM on 8 May 14. ▪ On 9 May 14, Modification 9 to LBG Task Order 0001 was awarded for \$64,533. ▪ All funds awarded on this modification were for 17-mile support. Kern Statistical signed an exclusive team agreement with LBG and through the LBG contract, will continue to support the 17-mile LPR work. ▪ On 5 May 14, held discussion with J. Czapor regarding the departure of S. Budney from CDM. Noted the expectation of person to take her position and the official notification that needed to occur asap. ▪ On 7 May 14, call with S. Kirchner. He will take S. Budney's project duties and his other workload will be transferred to allow sufficient time for the LPR work. ▪ Invoice. TO 0005. On 5 May 14, reviewed and approved CDM Invoice #23, totaling \$400,155, for period 26 Jan – 29 Mar 14. ▪ Invoice. LBG TO 0001. On 27 May 14, reviewed and approved LBG Invoice 28, which included \$2,863.07 for period 22 Feb – 28 Mar 14. Invoiced amount was for Kern Statistical efforts. ▪ Funds for ERDC support (E. Hayter) work during previous several months. Work included report review and attendance at modeling progress meeting in Mahwah, NJ. ▪ Schedule. <ul style="list-style-type: none"> ▪ On 2 Jun 14, CDM provided an updated deliverable table based on all earlier versions. ▪ River Mile 10.9. <ul style="list-style-type: none"> ○ On 7 and 28 May 14, participated in weekly managers conference calls to discuss removal action status. ▪ Preparation of Progress Report and Project Expenditure spreadsheet.
<i>Key Meetings This Period</i>	<ul style="list-style-type: none"> ▪ Regular project progress calls. ▪ Other project calls and meetings as noted throughout this progress report.

Progress Report for EPA Region II

Key Contract Milestones
Completed to Date

- **MPI Task Order 0020: Contract W912DQ-06-D-0006, Expiration Date – 19 Sep 2012**
 - 21 Sep 07 – Base Task Order, CPG RI/FS Oversight awarded for \$349,601.
 - 19 Jun 08 – Modification 01, CPG RI/FS Oversight was awarded for \$274,903.

- **MPI Task Order 0010: Contract W912DQ-08-D-0017, Expiration Date – 15 Jan 2014**
 - 16 Jan 09 – Base Task Order, CPG RI/FS Oversight was awarded for \$65,000.
 - 5 Mar 09 – Modification 0001 was awarded for \$69,772.
 - 24 Jun 09/1 Jul 09 - Modification 0002 was awarded for \$49,756 (verbal on 24 Jun/written on 1 Jul).
 - 3 Aug 09 – Modification 0003 was awarded for \$378,843.
 - 28 Aug 09: Contract Mod 4 was awarded, totaling \$279,277.
 - 1 Sep 09, Mod 5 (admin in nature) was signed.
 - 29 Dec 09, Mod 6 was awarded, totaling \$211,881.
 - 9 Jul 10, Mod 7 was awarded, totaling \$52,890.
 - 28 Dec 10, Mod 8 was awarded, totaling \$54,473.

- **CDM Task Order 0014: Contract W912DQ-08-D-0018, Expiration Date – 30 Jul 2014**
 - 3 Aug 09 – Base Task Order, CPG RI/FS Oversight was awarded for \$160,000 (verbal was given 31 Jul 09)
 - 22 Aug 09: Contract Mod 1/TO 0014 was issued, totaling \$175,902.
 - 25 Aug 09; Mod 2 (admin in nature) was signed.
 - 23 Dec 09; Mod 3 was awarded, totaling \$493,000.
 - 3 Mar 10; Mod 7 was awarded, totaling \$283,000. (Numbering out of order due to electronic system error.)
 - 14 May 10; Mod 8 was awarded, totaling \$140,000.
 - 9 Jun 10; Mod 9 was awarded, totaling \$375,000.
 - 21 Oct 10, Mod 10 was awarded, totaling \$362,923 (note \$63,000 of this funding is from IA 2023).
 - 27 Dec 10, Mod 11 was awarded, totaling \$74,426 (note funding split as follows: \$50,000 is Passaic FFS, IA 1975 and \$24,426 is Newark Bay, IA 2023).
 - 4 May 11, Mod 12 was awarded, totaling \$682,426 (note funding split as follows: \$645,000 is IA 2023 and \$37,426 is IA1975).
 - 19 Sep 11, Mod 13 was awarded, totaling \$150,000.

- **CDM Task Order 0005; Contract W912DQ-11-D-3004, Expiration Date – 15 Dec 2016**
 - 15 Dec 11 – Base Task Order, CPG RI-FS Oversight was awarded for \$770,000
 - 24 Jan 12 – Mod 1 (admin in nature) was signed.
 - 1 Jun 12 – Mod 2 was awarded, totaling \$1,059,312.
 - 7 Jan 13 – Mod 3 was awarded, totaling \$1,500,000.
 - 11 Jul 13 – Mod 4 was awarded, totaling \$1,250,000.
 - 14 Feb 14 – Mod 5 was awarded, totaling \$900,000.

- **LBG Task Order 0001; Contract W912DQ-11-D-3009, Expiration Date – 17 Nov 2016**
 - 26 Nov 13 – Mod 7 was awarded, IA funds totaling \$11,522 (for Kern Statistical).
 - 9 May 14 - Mod 9 was awarded, IA funding totaling \$64,533 (for Kern Statistical and RM 10.9 sample storage).

Progress Report for EPA Region II

Contractor Actions/ Accomplishments	CDM
	<ul style="list-style-type: none"> ▪ Management. CDM participated in progress calls as noted throughout this report, prepared the CDM progress report, invoice, and participated in conference calls. Additional information may be found in the CDM Progress Report covering period April 27 – May 24, 2014. Information is also contained in daily email reports provided by CDM during specific fieldwork oversight efforts. ▪ CDM Fieldwork Oversight. <ul style="list-style-type: none"> ○ On 5 May 14, conference call held with LBG and HDR to review the CPG high volume sample results, data tables and data validation reports. ○ Initiated validation of CPG CWCM split sample data comparison. ○ Finalized validation of high volume split sample data. ○ Continued validation of SSP2 split sample data. ▪ CDM Fieldwork Oversight Reporting. <ul style="list-style-type: none"> ○ On 15 May 14, submitted comments on the CPG Draft High Volume CWCM Sampling Program Characterization Summary, dated February 2014. ○ Continued review of CPG Draft Physical Water Column Monitoring Sampling Program Characterization Summary, dated March 2014. ○ Initiated review of CPG response to comments on the 2008 Low Resolution Coring Characterization Summary, dated April 2014. ▪ CDM Data Manager/Website/Digital Library. <ul style="list-style-type: none"> ○ Provided data management support to extract data sets for EPA, team members and partner agencies. ○ Downloaded CPGs SSP2 dataset and initiated review and processing for upload into Passaic River EQUIS project database. ○ Available raw bathymetry data (2010, 2011 and 2012) and provided to Tierra on hard disk. ▪ CSO/SWO Sampling Oversight <ul style="list-style-type: none"> ○ On 30 Apr 14, performed oversight of sampling event and processed sample. ▪ River Mile 10.9 Removal Action Oversight. <ul style="list-style-type: none"> ○ Performed field oversight of installation of geotextile fabric, armor stone and habitat layer installation. ○ Performed expedited review of CPG armor layer survey results. ○ Performed review and provided comments on the Passaic River RM 10.9 Final Armor Survey Technical memorandum. Participated in conference call regarding the memorandum. ○ On 28 Apr 14, 5, 12, and 19 May 14, participated in oversight management calls. ▪ Modeling (HDR). <ul style="list-style-type: none"> ○ Reviewed CWCM data and PWCM report. ○ Continue to analyze CWCM data to examine CPG proposed relationship. ○ Review and test CPG carbon simplification code. Discussion held with R. Mathew. ○ Review CPG exposure depth as compared to other analyses. ▪ CPG Risk Assessment (BAT). <ul style="list-style-type: none"> ○ On 19 May 14, B. Prezant submitted a revised technical memorandum on Burial and Burrowing Depth of Infaunal Organism from the LPR. Revised memo is under review. ▪ Data Evaluation. <ul style="list-style-type: none"> ○ Continued to formulate data presentation plans and evaluate approaches to visualize and demonstrate site conditions. ○ Evaluate application of geostatistical approach to characterize the contaminant distribution in the LPR.

Work, Meetings, Milestones.

Narrative	
	<ul style="list-style-type: none"> ▪ 17 Mile CPG Schedule. On 2 Jun 14, CDM provided updated deliverable table based on version S Vaughn prepared. CPG current schedule is dated 23 May 14. ▪ RM 10.9 Schedule. Work substantially complete. Final schedule items being coordinated with CPG.

Progress Report for EPA Region II

Projected Work, Meetings Milestones FY2013. Current Status of Work Products (cont.)	
<i>Meetings</i>	<ul style="list-style-type: none"> Continuation of bi-weekly progress calls and additional coordination meetings/conference calls with CPG.
<i>Key Milestones</i> <i>Forthcoming</i>	<ul style="list-style-type: none"> As noted in the CPG schedules and/or verbal updates.
Issues	
<i>Technical:</i>	<ul style="list-style-type: none"> Issues are worked in an ongoing basis as discussions held between the EPA and CPG.
<i>Schedule</i>	<ul style="list-style-type: none"> EPA discusses schedule items with the CPG as needed.
<i>Funding:</i>	<ul style="list-style-type: none"> None at this time.

IAG Summary: Technical Assistance						
Amendment Funding						
USACE	Direct Fund Cite	Amend #	Date	USACE	Direct Fund Cite	Total IAG
410,000	0	Initial	9/6/07	-	-	\$ 410,000
290,000	0	1	6/3/08	-	-	\$700,000
75,000	0	2	12/31/08	-	-	\$775,000
85,000	0	3	2/19/09	-	-	\$860,000
50,000	0	4	6/23/09	-	-	\$910,000
576,665	0	5	7/27/09	-	-	\$1,486,665
500,000	0	6	8/7/09	-	-	\$1,986,665
789,000	0	7	12/1/09	-	-	\$2,775,665
300,000	0	8	2/24/10	-	-	\$3,075,665
140,000	0	9	4/27/10	-	-	\$3,225,665
510,000	0	0	5/24/10	-	-	\$3,735,665
400,000	0	0	9/14/10	-	-	\$4,135,665
745,000	0	0	4/8/11	-	-	\$4,880,665
150,000	0	0	8/31/11	-	-	\$5,030,665
850,000	0	0	11/12/11	-	-	\$5,880,665
1,124,335	0	0	5/14/12	-	-	\$7,005,000
1,650,000	0	0	12/6/12	-	-	\$8,655,000
1,345,000	0	0	5/31/13	-	-	\$10,000,000
900,000	0	0	2/7/14	-	-	\$10,900,000

Progress Report for EPA Region II

Expenditures: USACE and Contract				
Summary of Funds Spent Per Activity & Funding Remaining				
Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Remaining
MPI: Contract W912DQ-06-D-0006; Task Order 0020; awarded 21 Sep 07	\$349,601.00	\$0.00	\$349,601.00	\$0.00
MPI: Contract W912DQ-06-D-0006; Task Order 0020/Mod 1; awarded 19 Jun 08	\$274,903.00	\$0.00	\$267,213.93	\$7,689.07
MPI: Contract W912DQ-08-D-0017; Task Order 0010; awarded 16 Jan 09	\$65,000.00	\$0.00	\$65,000.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 1; awarded 5 Mar 09	\$69,772.00	\$0.00	\$69,772.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 2; awarded 24 Jun 09	\$49,756.00	\$0.00	\$49,756.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 3; awarded 3 Aug 09	\$378,843.00	\$0.00	\$378,843.00	\$0.00
MPI: Contract W912DQ-08-D-0017; Task Order 0010/Mod 4; awarded 28 Aug 09	\$279,277.00	\$0.00	\$279,277.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 6; awarded 29 Dec 09 ^{Note 1}	\$211,881.00	\$0.00	\$211,881.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 7; awarded 9 Jul 10	\$52,892.00	\$0.00	\$52,892.00	\$0.00
MPI/LBG: Contract W912DQ-08-D-0017; Task Order 0010/Mod 8; awarded 28 Dec 10	\$54,473.00	\$0.00	\$19,780.45	\$34,692.55
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Base Contract; awarded 6 Aug 09 (verbal 31 Jul 09)	\$160,000.00	\$0.00	\$160,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 1; awarded 22 Aug 09	\$175,902.00	\$0.00	\$175,902.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 3; awarded 23 Dec 09 ^{Note 2}	\$493,000.00	\$0.00	\$493,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 7; 3 Mar 10 ^{Note 3}	\$283,000.00	\$0.00	\$283,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 8; awarded 14 May 10	\$140,000.00	\$0.00	\$140,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 9; awarded 9 Jun 10	\$375,000.00	\$0.00	\$375,000.00	\$0.00
CDM: Contract W912DQ-08-D-0017\8; Task Order 0014/Mod 10; awarded 21 Oct 10 ^{Note 4}	\$299,923.00	\$0.00	\$299,923.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 11; awarded 27 Dec 10 ^{Note 5}	See note 5	\$0.00	\$0.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 12; awarded 4 May 11 ^{Note 6}	\$645,000.00	\$0.00	\$645,000.00	\$0.00
CDM: Contract W912DQ-08-D-0018; Task Order 0014/Mod 13; awarded 19 Sep 11	\$150,000.00	\$0.00	\$137,307.00	\$12,693.00

Progress Report for EPA Region II

Description	Funds for Activity	Funds Disbursed this Month	Funds Disbursed to Date	Funds Remaining
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Base TO; awarded 15 Dec 11	\$770,000.00	\$0.00	\$770,000.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 2; awarded 1 Jun 12	\$1,059,312.00	\$0.00	\$1,059,312.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 3; 7 Jan 13	\$1,500,000.00	\$70,885.00	\$1,500,000.00	\$0.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 4; awarded 11 Jul 13	\$1,200,000.00	\$329,270.00	\$329,270.00	\$870,730.00
CDM: Contract W912DQ-11-D-3004; Task Order 0005/ Mod 5; awarded 14 Feb 14	\$900,000.00	\$0.00	\$0.00	\$900,000.00
LBG: Contract W912DQ-11-D-3009; Task Order 0001/ Mod 7; awarded 26 Nov 13	\$11,522.00	\$2,863.07	\$2,863.07	\$8,658.93
LBG: Contract W912DQ-11-D-3009; Task Order 0001/ Mod 9; awarded 8 May 14	\$64,533.00	\$0.00	\$0.00	\$64,533.00
Subtotal - Summary of Contracts; awarded and avail. (total reflects blocks e + f + g on Page 2 IAG)	\$10,013,590.00	\$403,018.07	\$8,114,593.45	\$1,898,996.55
Kansas City Corps In-House Labor/Travel - 17 Mile	\$691,948.23	\$2,050.27	\$392,080.08	\$275,117.60
Kansas City Corps In-House Labor/Travel - RM 10.9		\$483.72	\$24,750.55	
Superfund M&S Fee - 17 Mile	\$99,674.34	\$0.00	\$94,991.69	\$0.00
Superfund M&S Fee - RM 10.9		\$0.00	\$4,682.65	
MIPR/ERDC - Hayter/Gailani; CPG Modeling Support	\$58,287.43	\$0.00	\$58,287.43	\$0.00
MIPR/ERDC - Estes; Decon Technology Support	\$24,500.00	\$0.00	\$21,462.39	\$3,037.61
MIPR/ERDC - Hayter (replaces MIPR above/updated office symbols)	\$12,000.00	\$5,905.84	\$5,905.84	\$6,094.16
Subtotal - Summary of Labor/M&S Fee	\$886,410.00	\$8,439.83	\$602,160.63	\$284,249.37
Grand Total - Contract/Corps	\$10,900,000.00	\$411,457.90	\$8,716,754.08	\$2,183,245.92

Notes on above table:

Note 1: MPI/LBG TO 0010 Mod 5 is admin, zero dollar mod

Note 2: CDM TO 0014 Mod 2 is admin, zero dollar mod.

Note 3: CDM TO 0014 Mods 4, 5, & 6 were skipped in system numbering

Note 4: CDM TO 0014/Mod 10 totals \$362,923; \$63,000 is Newark Bay funding for IT transition.

Note 5: CDM TO 0014/Mod 11 totals \$74,426; \$50,000 is Passaic FFS funding and \$24,426 is Newark Bay funding for IT transition.

Note 6: CDM TO 0014/Mod 12 totals \$682,426; \$37,426 is Passaic FFS funding for IT/transition.

IAG Scope of Work Summary (block 13 of IAG)

This amendment obligates \$XX (see amounts above for base and amendments) to the U.S. Army Corps of Engineers - Kansas City District to provide/continue oversight of the CPG's performance of Remedial Investigation and Feasibility Study at the Diamond Alkali OU4 Superfund Site (EPA ID: NJD980528996)

Project Delivery Team

Name	Contact Information	Responsibility
Beth Franklin	(816) 389-3581 Cell: (816) 695-5797	Project Manager
Josh Hill	(816) 389-3803	Contract Specialist
Shelley Thomas	(816) 389-3842	Contracting Officer
Jason Shippy	(816) 389-3721	Attorney
Julia Kisser	(816) 389-3874	COR

Prepared by: Elizabeth Franklin
Project Manager
9 July 2014

PROGRESS REPORT

Site Name: Lower Passaic River Restoration Project and & Superfund Site
Project: Task Order 6424.005 CPG Oversight
Prepared by: Frank Tsang
Representing: CDM Federal Programs Corporation (CDM Smith)
Date: March 14, 2014 (revised on January 6, 2015)
Reporting Period: January 26, 2014 to February 22, 2014

The following structures reflect the WBS from TO 6424.005.

1. **Progress Made this Reporting Period** – CDM Smith performed the following activities during this period:

WAD 1, Work Order (WO) 1 – Project Management and Administration

1.1.1 Project Management

- CDM Smith performed project management including staffing, financial monitoring, invoicing, and participated in conference calls.
- On January 29, 2014, participated in a transition meeting with EPA, USACE and the CPG to review the project status to assist Jennifer LaPoma (EPA) get oriented.
- On February 3, 2014, participated in project status conference call with EPA, USACE, and HDR. Included a discussion of how modeling oversight will occur moving forward.
- On February 11, 2014, participated in a conference call with EPA, USACE and HDR to discuss the need for Jonathan Clough to review the bioaccumulation model.

1.1.2 Project Support Documentation & Administration

- CDM Smith prepared and submitted the monthly progress report.

1.1.3 Subcontract Administration

- CDM Smith processed subcontractor invoices (Axys Analytical Services, Shealy Environmental, and Richard Chappell).
- CDM Smith prepared a subcontract to acquire the consulting service of Jonathan Clough. A subcontract with Jonathan Cloud was executed on January 31, 2014.
- Initiated subcontracting process for Ambrose, Flood, and Prezant.

1.1.4 Project Communication

- On February 4 and 18, 2014, CDM Smith participated in biweekly conference calls.

WAD 1, WO 2 – Community Relations/Public Website

1.2.1 Public Meeting Support

- No activity.

WAD 1, WO 3 – Senior Technical Advisors

1.3.1 Senior Technical Advisor

- Funding for this WO is \$36,000 thru WVN 6/ATP 12 approved on February 27, 2014.

Item	TAC Member	TAC Member Subcontract Ceiling*	Authorized Funding	Payment this Period	Payment to Date	Remarks
1	Ambrose	NA	NA	NA	NA	Subcontract in progress, to be in place in March 2014
2	Flood	NA	NA	NA	NA	Subcontract in progress, to be in place in April 2014
3	Di Toro	NA	NA	NA	NA	EPA/USACE put subcontract on hold
4	Clough	\$11,457	\$6,200	\$0	\$0	Subcontract in place. POP to 11/30/2016
5	Prezant	NA	NA	NA	NA	Subcontract in progress, to be in place in March 2014
Total		\$11,457	\$6,200	\$0	\$0	

*Subcontract Ceiling represents "available subcontract capacity" on each TAC member's respective subcontract. A subcontract modification is required when the dollar value of requested work exceeds a TAC Member's Subcontract Ceiling.

WAD 1, WO 4 – Technical Support (1.4.1)

1.4.1 Technical Support

- Follow-up work on tables and figures showing mean Hazard Quotient for Lower Passaic River.
- On February 12, 2014, participated in a call with EPA, USACE and NOAA to discuss the Passaic reference analysis and to discuss the data CDM Smith needed to send to Jay Fields for analysis.

WAD 2, WO 2 - Work Planning: Oversight & Communication

2.2.1 Technical Communication

- No activity.

2.2.2 CPG Planning Documents Review

- No activity.

WAD 2, WO 3 – Field Work Sampling Oversight

2.3.1 CDM Smith Work Plan Preparation (QAPP & HASP)

- No activity.

2.3.2 Water Column, Chemical Data Oversight

- Finalized validation of high flow and round 5 of the chemical water column monitoring study.
- Continued split sample evaluation of CWCM routine data sets and continued preparing and reviewing report tables.
- Continued review of CPG high volume sample results and data validation reports.
- Continued validation of high volume split sample data.

- Paid Axys Analytical invoice.

2.3.3 RM 10.9 Oversight

- Work element closed. See WAD2 WO7 for RM 10.9 oversight work.

2.3.4 LRC Supplemental Sampling Oversight

- Finalized the statistical evaluation of split sample results and continued report preparation.
- Paid Axys Analytical invoice.

2.3.6 Background Sampling Oversight

- Processed invoice for Richard Chappell for assistance with statistical evaluation of background split samples data.
- Paid Axys Analytical invoice.

2.3.7 LRC SSP2 Oversight

- Continued validation of split sample data.
- Paid analytical subcontractor costs for analysis of SSP2 split sediment samples.

WAD 2, WO 4 – Report/Products: Oversight and Communications

2.4.1 CPG Report Review

- On January 29, 2014, participated in a meeting with EPA to listen to the CPG present their Conceptual Site Model (CSM).
- Initiated review of the CPG Low Resolution Coring Supplemental Sampling Program Characterization Summary, dated December 2013.
- Started review of CPG Draft Small Volume Chemical Water Column Monitoring Sampling Program Characterization Summary, dated February 2014 and the CPG Draft High Volume Chemical Water Column Monitoring Sampling Program Characterization Summary, dated February 2014.
- Paid Richard Chappell invoice for review of RARC report.

WAD 2, WO 5 – Data Manager

2.5.1 Data Manager (Data/Information Transfer)

- Provided data management support to extract data sets for EPA, Lower Passaic River team, and partner agencies.
- Finalized review of historical data set study identifications against current database task identifications in order to account for historical studies that may have been combined in the new task identification system. This is being done to account for data sets available for public when reports are released.
- Finalized extraction and posting of data sets onto public website.

2.5.2 Database and Website Management

- Ongoing webpage support/and Enterprise interface support.
- Continued to provide webpage management support updating pages and announcements at the direction of the EPA.
- Prepared for transitioning of technical support staff.
- Paid database user fee.

WAD 2, WO 6 – CSO/SWO Sampling Oversight

2.6.1 Planning Documents Review

- No activity.

2.6.2 CDM Work Plan Preparation

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

2.6.3 Laboratory Analysis and Coordination

- Received preliminary data from second sampling round.
- Reviewed electronic data deliverable error log in preparation for discussion regarding potential addition to valid value database reference table.

2.6.4 Field Oversight and Collection of Split Samples

- No activity.

2.6.5 Split Sample Comparison Report

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

WAD 2, WO 7 – RM 10.9 Removal Action Oversight

2.7.1 Report Review/Technical Support

- No activity.

2.7.2 Remedial Action Oversight

- Participated in the management meetings on January 28, February 5, 12 and 19, 2014.
- No field oversight was performed due to weather conditions.
- Reviewed and provided comments on the Revised Capping Plan for Geotextile, Armor Stone & Habitat Layer Installation, Revision 10, dated January 31, 2014.

2.7.3 Sampling Analysis

- Continued validation of the water quality monitoring split samples and post excavation sediment samples.
- Paid Shealy Environmental invoice.

WAD 3, WO 1 - Modeling Support

- Project Management & Support
 - Prepared monthly invoice and writeup.
- Bi-Weekly Conference Calls
 - Attended February 4 and 18, 2014 bi-weekly calls.
- Project Review Conference Calls & Mod Meetings
 - Attended February 13, 2014 call with CPG on bioaccumulation modeling.
- Transfer of Model Codes/Support
 - A. ECOMSEDZLJS Model Support
 - No activity.

- B. ST-SWEM & RCATOX Models
 - No activity.
- C. Misc. Support 2010
 - Generated water year 2013 ST-SWEM and Contaminant inputs for transfer to CPG. Transferred on January 31, 2014.
 - Prepared for transfer of FFS models to the CPG.
- Field Oversight
 - Attended February 12, 2014 call to review CPG data analysis for development of SWAC.
- Modeling Oversight
 - Reviewed of CPG outputs provided December 20, 2013, including the bioaccumulation model.

WAD 3, WO 2 - Modeling Collaboration with CPG

- Project Management and Support
 - No activity.
- Weekly Conference Calls/Monthly Technical Meetings
 - Attended February 13, 2014 Web meeting with the CPG to discuss bioaccumulation model
- Identify Model Differences
 - No activity.
- Data Action/Model Action Items
 - Investigated revised extraction of ADCP data for comparison to EPA and CPG water column solids model results.
- Communication with USEPA Project Team
 - Attended February 3, 2014 call with EPA on model collaboration.

WAD 4, WO 3 – Review/Coordinate CPG Risk Assessment

- On February 21, 2014, participated in a call with HDR to discuss exposure depth of benthic organism needed for evaluation of the bioaccumulation model.
- Reviewed CPG bioaccumulation model input and risk calculations and held discussions with HDR in preparation to get Dr. Prezant on board.

WAD 5, WO 1 – RI/FS Documents

- Participated in the February 6, 2013 technical meeting with EPA, CPG and the Partner Agencies to discuss the RI/FS.
- Prepared meeting minutes for the February 6, 2013 meeting.

WAD 5, WO 2 – Data Evaluation

- Continued work on detailing GIS and 3D model.
- Continued to formulate data presentation plans and evaluate potential approaches to better visualize and demonstrate site conditions.
- Generated figure and data table collections for transfer to Partner Agencies (PAs).
- On January 28, 2014 participated in a conference call with EPA to review RI/FS data evaluation status in preparation for CPG's presentation of their CSM.

- On February 12, 2014, participated in a conference call with PAs to review information and evaluations generated to date under this task.
- Expanded human health risk tables by separating out data by reach for fish tissue (filets), crab mussel, crab hepatopancreas and crab mussel & hepatopancreas.

2. **Anticipated Problems and Recommended Solutions** – None.

3. **Problems Resolved** – N/A.

4. **Upcoming Events/Activities Planned** – CDM Smith will continue working on the following activities:

- Participate in biweekly calls.
- Review CPG and Tierra documents when received.
- Continue database management data upload.
- Provide support on CSO/SWO oversight.
- Provide support on RM 10.9 oversight.
- Continue to formulate data presentation plans.
- Continue evaluation of potential reference locations.
- Participate in RI/FS technical meetings.
- Prepare lessons learned for RM 10.9.

5. **Key Staffing Changes** – None

6. **Budget** – See attached cost spreadsheet for negotiated budget, funded amount, and expenditure details.

7. **Deliverables Submitted**

(For deliverables submitted prior to January 3, 2013, please see the April 2013 and earlier monthly reports.)

Title	Date Submitted
Submitted comments on River Mile 10.9 90 Percent Design	January 3, 2013
Submitted comments on RM 10.9 QAPP Addendum D	January 23, 2013
Submitted CDM Smith Field Change Request #13 - oversight of CPGs QAPP Addendum D Field Effort	February 13, 2013
Submitted comments on Updated Porewater SOPs RM 10.9 QAPP Addendum D	February 19, 2013
Submitted comments on Tierra's Validated Rinse Blank Results for the CSO/SWO sampling program	February 28, 2013
Submitted comments on Porewater SOP RM 10.9 QAPP Add D	March 1, 2013
Submitted comments on Draft Final RM 10.9 Design	March 22, 2013
Submitted comments on GW Seepage Measurement Field Mod	March 25, 2013
Submitted comments on CSO/SWO QAPP Revision 2	April 4, 2013
Submitted comments on RM 10.9 design draft WQMP	April 24, 2013
Submitted comments on Fall 2009 Benthic Invertebrate Community Survey and Benthic Field Data Collection, dated April 12, 2013	April 24, 2013

Title	Date Submitted
Submitted comments on Habitat Identification Survey Data Report, Fall 2010 Field Effort, dated April 12, 2013	April 24, 2013
Submitted comments on RM 10.9 Draft Water Quality Monitoring Plan	April 26, 2013
Submitted comments on RM 10.9 Removal Action Final Design Report	May 17, 2013
Submitted comments on RM 10.9 Draft Perimeter Air and Noise Monitoring Plan	May 23 & 28, 2013
Submitted comments on RM 10.9 Waterline Setback	May 24, 2013
Submitted comments on Tierra CSO/SWO Forensic Sample Results	May 16, 2013
Submitted comments on CPG Field Modification Form 130522-1 SSP2 Sediment Probing	May 29, 2013
Submitted comments on RM 10.9 Cap Design Review & Waterfront Development Permit Equivalent Conditions	June 3, 2013
Submitted comments on CSO-SWO LSM Method Blank Evaluation Report dated May 23, 2013	June 10, 2013
Submitted CDM Smith Field Change Request #14 – HV CWCM filtrate sample	June 12, 2013
Submitted comments on the RM 10.9 Final Design Response to Comments	June 13, 2013
Submitted comments on the RM 10.9 Final Design LTMM	June 13, 2013
Submitted comments on Pre-Dredge Bathymetry Survey Calibration & QC SOP	July 10, 2013
Submitted comments on Tierra's CSO/SWO QAPP Field Modifications dated June 6, 2013	July 12, 2013
Submitted comments on SV CWCM QAPP Addendum A WQM	July 15, 2013
Submitted comments on RM 10.9 Removal Action Operational Plans	July 16, 2013
Submitted comments on Response to RM 10.9 Design Comments	July 18, 2013
Submitted comments on Complete Pre-Dredge Bathymetry Survey	July 24, 2013
Submitted CDM Smith QAPP Addendum 13 WQM RM 10.9	August 9, 2013
Submitted comments on CPG Revised SSP2 Sampling Locations	August 13, 2013
Submitted comments on the bathymetry survey results	August 29, 2013
Submitted CDM Smith Field Change Request 15 Oversight of the CPG SSP2 Sampling	September 18, 2013
Submitted comments on the CPG Draft Low Resolution Coring Supplemental Sampling Program Addendum Sampling Program QAPP, September 2013	September 18, 2013
Submitted comments on RM 10.9 RA High Sub-Grade Sediment Sampling Plan, September 25, 2013	September 26, 2013
Submitted comments on CPG's RM 10.9 Post-Dredge Sediment Sampling Plan	October 4, 2013
Submitted comments on CPG Field Modification FM131009 for the SSP2 Sampling Event	October 15, 2013
Submitted comments on CPG Field Modification FM-131018 to move station 13B-0523	October 22, 2013

Title	Date Submitted
Submitted comments on CPG RM 10.9 Capping Plan	October 22, 2013
Submitted comments on CPG Draft 2012 Benthic Invertebrate Community Reference Data Report	October 24, 2013
Submitted comments on CPG Field Modification FM-13103-1 for the SSP2 Sampling Event	November 4, 2013
Submitted comments on CPG RM 10.9 Removal Action Water Quality Monitoring: Proposed Monitoring During Capping Operations	November 6, 2013
Submitted comments on CPG RM 10.9 Removal Action Cap Active Layer Monitoring: Approach for Carbon Analysis	November 20, 2013
Submitted comments on the CPG Draft 2012 Sediment Toxicity Reference Data Report, dated October 22, 2013	December 2, 2013
Submitted comments on CPG Periodic Bathymetry Survey, Fall 2011 Post Hurricane Irene Survey Report, dated March 2013, and the 2012 Periodic Bathymetry and Single Beam Survey Report, dated March 2013	December 27, 2013
Submitted comments on CPG Draft Revised Risk Analysis and Risk Characterization Plan, dated October 29, 2013.	January 16, 2014
Submitted comments on CPG Draft 2012 Chemistry Background Data Report, dated October 30, 2013.	January 24, 2014
Submitted comments on CPG Preliminary Draft Interim Conceptual Site Model, submitted on December 20, 2013.	January 24, 2014
Submitted comments on Revised Capping Plan for Geotextile, Armor Stone & Habitat Layer Installation, Revision 10, dated January 31, 2014	February 4, 2014
Submitted Meeting Minutes for February 6, 2014 RI/FS Meeting	February 11, 2014

PROGRESS REPORT

Site Name: Lower Passaic River Restoration Project and & Superfund Site
Project: Task Order 6424.005 CPG Oversight
Prepared by: Frank Tsang
Representing: CDM Federal Programs Corporation (CDM Smith)
Date: April 11, 2014 (revised January 6, 2014)
Reporting Period: February 23, 2014 to March 29, 2014

The following structures reflect the WBS from TO 6424.005.

1. **Progress Made this Reporting Period** – CDM Smith performed the following activities during this period:

WAD 1, Work Order (WO) 1 – Project Management and Administration

1.1.1 Project Management

- CDM Smith performed project management including staffing, financial monitoring, invoicing, and participated in conference calls.
- CDM Smith received approval of ATP 12 on February 27, 2014.
- CDM Smith submitted WVN 7 and ATP 13 on March 26, 2014 and received approval of WVN 7 and ATP 13 on March 27, 2014.

1.1.2 Project Support Documentation & Administration

- CDM Smith prepared and submitted the monthly progress report.

1.1.3 Subcontract Administration

- CDM Smith processed subcontractor invoices (HDR Engineering, Inc, Warren Pinnacle Consulting [J. Clough], and Axys Analytical Services).
- CDM Smith awarded a consulting service subcontract to Robert Ambrose on March 28, 2014.
- Finalizing the subcontract with Dr. Robert Prezant. The subcontract to be awarded on April 1, 2014.
- CDM Smith continued subcontracting process for Flood.

1.1.4 Project Communication

- On March 5 and 19, 2014, CDM Smith participated in biweekly conference calls.
- On March 17 and 24, 2014, CDM Smith participated in project status calls with EPA and USACE.

WAD 1, WO 2 – Community Relations/Public Website

1.2.1 Public Meeting Support

- No activity.

WAD 1, WO 3 – Senior Technical Advisors

1.3.1 Senior Technical Advisor

- Funding for this WO is \$56,000 thru WVN 7/ATP 13 approved on March 27, 2014.

Item	TAC Member	TAC Member Subcontract Ceiling*	Authorized Funding	Payment this Period	Payment to Date	Remarks
1	Ambrose	\$6,400	\$0	\$0	\$0	Subcontract awarded on March 28, 2014. POP to expire 11/30/2016
2	Flood	\$0	\$0	\$0	\$0	Subcontract in progress, to be in place in April 2014
3	Di Toro	\$0	\$0	\$0	\$0	EPA/USACE placed subcontract on hold
4	Clough	\$11,457	\$6,200	\$3,380**	\$3,380	Subcontract in place. POP to expire 11/30/2016
5	Prezant	\$0	\$0	\$0	\$0	Subcontract to be awarded on April 1, 2014. POP to expire 11/30/2016
Total		\$17,857	\$6,200	\$3,380	\$3,380	

*Subcontract Ceiling represents "available subcontract capacity" on each TAC member's respective subcontract. A subcontract modification is required when the dollar value of requested work exceeds a TAC Member's Subcontract Ceiling.

**Amount paid to the subcontractor, does not include CDM Smith handling charges.

WAD 1, WO 4 – Technical Support (1.4.1)

1.4.1 Technical Support

- No activity.

WAD 2, WO 2 - Work Planning: Oversight & Communication

2.2.1 Technical Communication

- No activity.

2.2.2 CPG Planning Documents Review

- No activity.

2.2.3 TSI RM 10.9 Pipeline Survey Oversight (work element being developed)

- Charges will be transferred to this work element **once it's developed in the formal project WBS**. Until that time, work is performed using other RM 10.9 task and cost are tracked separately. The table below summarizes these costs:

Work Element	Cost this period	Cost to Date
2.4.1 CPG Report Review	\$757	\$757
2.7.2 RM 10.9 Remedial Action Oversight	\$1,751	\$1,751
Total Cost	\$2,508	\$2,508

WAD 2, WO 3 – Field Work Sampling Oversight

2.3.1 CDM Smith Work Plan Preparation (QAPP & HASP)

- No activity.

2.3.2 Water Column, Chemical Data Oversight

- Continued split sample evaluation of CWCM routine data sets and continued preparing and reviewing report tables.
- Continued review of CPG high volume sample results and data validation reports.
- Continued validation of high volume split sample data.
- Paid Axys Analytical retainage.

2.3.3 RM 10.9 Oversight

- Work element closed. See WAD2 WO7 for RM 10.9 oversight work.

2.3.4 LRC Supplemental Sampling Oversight

- 1.5 hours were inadvertently charged to this task for review of the CWCM split sample data. These charges will be transferred to Task 2.3.2 Water Column, Chemical Data Oversight in the December 2014 reporting period.
- Paid Axys Analytical retainage.

2.3.6 Background Sampling Oversight

- 6 hours were inadvertently charged to this task for review of the CWCM split sample data. These charges will be transferred to Task 2.3.2 Water Column, Chemical Data Oversight in the December 2014 reporting period.
- Subcontract analytical laboratory retainage paid.

2.3.7 LRC SSP2 Oversight

- Continued validation of split sample data
- Paid analytical subcontractor costs for analysis of SSP2 split sediment samples and retainage.

WAD 2, WO 4 – Report/Products: Oversight and Communications

2.4.1 CPG Report Review

- Continued review of CPG Draft Small Volume Chemical Water Column Monitoring Sampling Program Characterization Summary, dated February 2014 and the CPG Draft High Volume Chemical Water Column Monitoring Sampling Program Characterization Summary, dated February 2014.
 - Conducted meetings with LBG to coordinate review on March 17 and 27, 2014.
- Completed review of the Low Resolution Coring Supplemental Sampling Program Characterization Summary, dated December 2013, comments submitted on March 3, 2014.
- Reviewed Passaic River RM 10.9 Pipeline Survey: Statement of Work, Parametric Echo Sounding and Ground Penetrating Radar Methods, submitted on March 3, 2014, comments submitted on March 21, 2014. Hours will be transferred to WE 2.2.3 in December 2014.

- Reviewed the CPG Draft Dissolved Oxygen Monitoring Program Data Report for the Lower Passaic River Study Area: Summer and Fall 2012, dated September 3, 2013, comments submitted on March 21, 2014.

WAD 2, WO 5 – Data Manager

2.5.1 Data Manager (Data/Information Transfer)

- Provided data management support to extract data sets for EPA, Lower Passaic River team, and partner agencies.
- At the request of US Fish and Wildlife, exported historical data sets (those data associated with the old PreMIS “Historic Database”) and rectified them against a list of reference documents received from US Fish and Wildlife.
- Obtained and posted reference documents to the public website in preparation for the proposed plan role out.

2.5.2 Database and Website Management

- Ongoing webpage support/and Enterprise interface support.
- Continued to provide webpage management support updating pages and announcements at the direction of the EPA/USACE.
- Updated several pages on the OurNewarkBay.org site.
- Supported the updates for the FFS Proposed Plan release.
- Transitioned of technical support staff.

WAD 2, WO 6 – CSO/SWO Sampling Oversight

2.6.1 Planning Documents Review

- No activity.

2.6.2 CDM Work Plan Preparation

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

2.6.3 Laboratory Analysis and Coordination

- No activity.

2.6.4 Field Oversight and Collection of Split Samples

- Initiated coordination of staff to cover mobilization event planned for March 12, 2014. The event was subsequently cancelled.

2.6.5 Split Sample Comparison Report

- No activity. No cost has been incurred under this WE to date, therefore no invoice sheet for this WE.

WAD 2, WO 7 – RM 10.9 Removal Action Oversight

2.7.1 Report Review/Technical Support

- Reviewed design documents responding to capping issues.

2.7.2 Remedial Action Oversight

- Participated in the management meetings on February 26, March 5, 12, 19 and 26, 2014.
- Performed field oversight on February 26 to March 8, 10 to 13, and 15 to 28, 2014. Observations were made during installation of the geotextile fabric and armor stone.
- CDM Smith and HDR reviewed TSI RM 10.9 Pipeline Survey Statement of Work (SOW) received on March 3, 2014. Comments were submitted to EPA on March 21, 2014. CDM Smith cost associated with this effort charged to this work element will be transferred to WE 2.2.3 - TSI RM 10.9 Pipeline Survey Oversight, a new task being established to track this effort separately. HDR cost associated with this effort will be charged to WE 2.2.3 in future CDM Smith invoices.

2.7.3 Sampling Analysis

- Continued validation of the water quality monitoring split samples and post excavation sediment samples.
- Paid Axys Analytical invoices.

WAD 3, WO 1 - Modeling Support

- Project Management & Support
 - Prepared monthly invoice and writeup.
- Bi-Weekly Conference Calls
 - Attended March 5 and 19, 2014 bi-weekly calls.
- Project Review Conference Calls & Mod Meetings
 - Attended February 26 and March 3, 2014 Calls on sediment interpolation for March 6, 2014 PA meeting.
 - Attended March 6, 2014 CPG-Partner Agency meeting.
- Transfer of Model Codes/Support
 - Prepared for and transferred FFS models to the CPG on March 11, 2014.
 - Supported Moffat and Nichol trouble shooting hydrodynamic model instability in CPG model.
 - Reviewed October 23, 2013 CPG letter on model codes and assist EPA with response.
- Field Oversight
 - No activity.
- Modeling Oversight
 - Reviewed CPG outputs provided on December 20, 2013, including the bioaccumulation model. Discussed findings with EPA.

WAD 3, WO 2 - Modeling Collaboration with CPG

- Project Management and Support
 - Prepared monthly invoice and writeup
- Weekly Conference Calls/Meetings with CPG
 - No activity.
- Monthly Technical Meetings
 - Prepared, attended, and followed-up on the March 13, 2014 collaboration meeting.

- Identify Model Differences
 - No activity.
- Data Action/Model Action Items
 - Consolidated model set up with Newark Bay cores to prepare for the March 13, 2014 meeting.
- Communication with USEPA Project Team
 - No activity.

WAD 4, WO 3 – Review/Coordinate CPG Risk Assessment

- On March 26, 2014 participated in a conference call to discuss fish sizes to be used in the BERA and if additional analysis can be done prior to receipt of the CPG risk assessments.
- Reviewed FFS risk assessments so we could provide consistent information to the CPG when reviewing their reports.

WAD 5, WO 1 – RI/FS Documents

- Participated in the March 6, 2013 technical meeting with EPA, CPG and the Partner Agencies to discuss the RI/FS.
- Prepared meeting minutes for the March 6, 2013 meeting.

WAD 5, WO 2 – Data Evaluation

- Continued work on detailing GIS and 3D model.
- Continued to formulate data presentation plans and evaluate potential approaches to better visualize and demonstrate site conditions.
- Generated figure and data table collections for transfer to Partner Agencies (PAs).
- Coordinated with NOAA to exchange GIS layers to fill gaps within each other's systems.
- Incorporated additional GIS layers received from NOAA and HDR to further refine the GIS to support ongoing data evaluation.
- Exported GIS layers for delivery to NOAA.
- Prepared tables to evaluate statistical uncertainties related to various sediment mapping approaches.
- Updated figures with revised PRGs for partner agencies.

2. **Anticipated Problems and Recommended Solutions** – None.

3. **Problems Resolved** – N/A.

4. **Upcoming Events/Activities Planned** – CDM Smith will continue working on the following activities:

- Participate in biweekly calls.
- Review CPG and Tierra documents when received.
- Continue database management data upload.
- Provide support on CSO/SWO oversight.
- Provide support on RM 10.9 oversight.
- Continue to formulate data presentation plans.
- Continue evaluation of potential reference locations.

- Participate in RI/FS technical meetings.
- Prepare lessons learned for RM 10.9.

5. **Key Staffing Changes** – None

6. **Budget** – See attached cost spreadsheet for negotiated budget, funded amount, and expenditure details.

7. **Deliverables Submitted**

(For deliverables submitted prior to January 3, 2013, please see the April 2013 and earlier monthly reports.)

Title	Date Submitted
Submitted comments on River Mile 10.9 90 Percent Design	January 3, 2013
Submitted comments on RM 10.9 QAPP Addendum D	January 23, 2013
Submitted CDM Smith Field Change Request #13 - oversight of CPGs QAPP Addendum D Field Effort	February 13, 2013
Submitted comments on Updated Porewater SOPs RM 10.9 QAPP Addendum D	February 19, 2013
Submitted comments on Tierra's Validated Rinse Blank Results for the CSO/SWO sampling program	February 28, 2013
Submitted comments on Porewater SOP RM 10.9 QAPP Add D	March 1, 2013
Submitted comments on Draft Final RM 10.9 Design	March 22, 2013
Submitted comments on GW Seepage Measurement Field Mod	March 25, 2013
Submitted comments on CSO/SWO QAPP Revision 2	April 4, 2013
Submitted comments on RM 10.9 design draft WQMP	April 24, 2013
Submitted comments on Fall 2009 Benthic Invertebrate Community Survey and Benthic Field Data Collection, dated April 12, 2013	April 24, 2013
Submitted comments on Habitat Identification Survey Data Report, Fall 2010 Field Effort, dated April 12, 2013	April 24, 2013
Submitted comments on RM 10.9 Draft Water Quality Monitoring Plan	April 26, 2013
Submitted comments on RM 10.9 Removal Action Final Design Report	May 17, 2103
Submitted comments on RM 10.9 Draft Perimeter Air and Noise Monitoring Plan	May 23 & 28, 2013
Submitted comments on RM 10.9 Waterline Setback	May 24, 2013
Submitted comments on Tierra CSO/SWO Forensic Sample Results	May 16, 2013
Submitted comments on CPG Field Modification Form 130522-1 SSP2 Sediment Probing	May 29, 2013
Submitted comments on RM 10.9 Cap Design Review & Waterfront Development Permit Equivalent Conditions	June 3, 2013
Submitted comments on CSO-SWO LSM Method Blank Evaluation Report dated May 23, 2013	June 10, 2013
Submitted CDM Smith Field Change Request #14 – HV CWCM filtrate sample	June 12, 2013
Submitted comments on the RM 10.9 Final Design Response to	June 13, 2013

Title	Date Submitted
Comments	
Submitted comments on the RM 10.9 Final Design LTMM	June 13, 2013
Submitted comments on Pre-Dredge Bathymetry Survey Calibration & QC SOP	July 10, 2013
Submitted comments on Tierra's CSO /SWO QAPP Field Modifications dated June 6, 2013	July 12, 2013
Submitted comments on SV CWCM QAPP Addendum A WQM	July 15, 2013
Submitted comments on RM 10.9 Removal Action Operational Plans	July 16, 2013
Submitted comments on Response to RM 10.9 Design Comments	July 18, 2013
Submitted comments on Complete Pre-Dredge Bathymetry Survey	July 24, 2013
Submitted CDM Smith QAPP Addendum 13 WQM RM 10.9	August 9, 2013
Submitted comments on CPG Revised SSP2 Sampling Locations	August 13, 2013
Submitted comments on the bathymetry survey results	August 29, 2013
Submitted CDM Smith Field Change Request 15 Oversight of the CPG SSP2 Sampling	September 18, 2013
Submitted comments on the CPG Draft Low Resolution Coring Supplemental Sampling Program Addendum Sampling Program QAPP, September 2013	September 18, 2013
Submitted comments on RM 10.9 RA High Sub-Grade Sediment Sampling Plan, September 25, 2013	September 26, 2013
Submitted comments on CPG's RM 10.9 Post-Dredge Sediment Sampling Plan	October 4, 2013
Submitted comments on CPG Field Modification FM131009 for the SSP2 Sampling Event	October 15, 2013
Submitted comments on CPG Field Modification FM-131018 to move station 13B-0523	October 22, 2013
Submitted comments on CPG RM 10.9 Capping Plan	October 22, 2013
Submitted comments on CPG Draft 2012 Benthic Invertebrate Community Reference Data Report	October 24, 2013
Submitted comments on CPG Field Modification FM-13103-1 for the SSP2 Sampling Event	November 4, 2013
Submitted comments on CPG RM 10.9 Removal Action Water Quality Monitoring: Proposed Monitoring During Capping Operations	November 6, 2013
Submitted comments on CPG RM 10.9 Removal Action Cap Active Layer Monitoring: Approach for Carbon Analysis	November 20, 2013
Submitted comments on the CPG Draft 2012 Sediment Toxicity Reference Data Report, dated October 22, 2013	December 2, 2013
Submitted comments on CPG Periodic Bathymetry Survey, Fall 2011 Post Hurricane Irene Survey Report, dated March 2013, and the 2012 Periodic Bathymetry and Single Beam Survey Report, dated March 2013	December 27, 2013
Submitted comments on CPG Draft Revised Risk Analysis and Risk Characterization Plan, dated October 29, 2013.	January 16, 2014
Submitted comments on CPG Draft 2012 Chemistry Background	January 24, 2014

Title	Date Submitted
Data Report, dated October 30, 2013.	
Submitted comments on CPG Preliminary Draft Interim Conceptual Site Model, submitted on December 20, 2013.	January 24, 2014
Submitted comments on Revised Capping Plan for Geotextile, Armor Stone & Habitat Layer Installation, Revision 10, dated January 31, 2014	February 4, 2014
Submitted Meeting Minutes for February 6, 2014 RI/FS Meeting	February 11, 2014
Submitted comments on CPG LRC Supplemental Sampling Program Characterization Summary	March 3, 2014
Submitted comments on CPG Draft Dissolved Oxygen Monitoring Program Data Report, dated Sept. 3, 2014	March 21, 2014
Submitted comments on Tierra's Passaic River RM 10.9 Pipeline Survey: Statement of Work	March 21, 2014

Lower Passaic River Restoration Project
Contract W912DQ-11-D-3009, Task Order 0001
Budget Status Forecast / Progress Report No. 28
22 February - 28 March 2014

	A	AM
1	Date updated: January 06, 2015	
2		
		Progress Report
3		
4	1.11 Project Management	
5	1.12 Project Support Documentation and Administration	
6	1.13 Subcontract Administration	
7	1.14 Project Communications	
8	1.21 TAC Support	
9	1.22 Technical Support	
10	2.11 Finalize RI	
11	2.12 Finalize Risk Assessment	
12	2.13 Finalize Modeling Appendix	
13	2.14 Finalize FS / Engineering	
14	3.11 Geochemistry	
15	3.12 Risk Assessment	
16	3.13 Modeling	
17	3.14 Engineering	
18	3.21 NRRB Site Information Package and Briefing	
19	3.22 Proposed Plan	
20	3.23 Responsiveness Summary	
21	3.24 ROD	
22	3.31 Conference Calls and Meetings	
23	3.32 Peer Reviews	
24	4.11 Sample Storage	
25	4.21 CSO/SWO Oversight Consulting	
26	4.22 Consulting	17 Mile RI/FS SWAC for cap design, evaluation of CPG/CDM interpolation methods, performed by John Kern (\$2,705).
27		
28	WAD 1 Subtotal	
29		
30	WAD 2 Subtotal	
31		
32	WAD 3 Subtotal	
33		
34	WAD 4 Subtotal	
35		
36	WAD 5	
37		
38	TASK ORDER TOTAL	ATP-8 approved 28 Mar 2014.
39		
40	NOTES:	
41	¹ Forecast is through June 2014.	
42	² JTD Costs through 28 March 2014 include The Louis Berger Group labor and other direct costs.	
43	³ Subs include Battelle, HDR-HydroQual, John Kern, and Henningson Environmental Services.	
44	⁴ NA = Not applicable (no budget authorized under ATP-8).	
45		